

method for
1. (Amended) A method of producing synthetic resin film laminates, said synthetic resin film comprising a substrate impregnated with a thermosetting resin, said method comprising

- (a) impregnating the substrate with a first thermosetting resin composition comprising [an] a first uncured thermosetting resin and a low profile additive, [and]
- (b) drying the impregnated substrate of (a),
- (c) impregnating the substrate of (b) with a second thermosetting resin composition comprising a second uncured thermosetting resin and a low profile additive, and
- (d) drying the impregnated substrate of (c).

2. (Amended) The method of claim [1] 39, further comprising at least partially curing the first uncured thermosetting resin in the impregnated substrate.

3. (Amended) The method of claim [1] 39, wherein said low profile additive comprises ceramic [microspheres] microspheres.

4. (Amended) The method of claim [1] 39, wherein said low profile additive comprises thermoplastic polymer powder.

5. (Amended) The method of claim [1] 39, wherein said low profile additive comprises polyethylene powder.

Sub 6. (Amended) The method of claim [1] 39, wherein said uncured thermosetting resin is selected from the group consisting of melamine-formaldehyde, urea-formaldehyde, phenol-formaldehyde and mixtures thereof.

7. (Amended) The method of claim [1] 39, wherein the substrate is paper.

8. (Amended) The method of claim [1] 39, wherein the low profile additive is present in amounts sufficient to provide said synthetic resin film with a scratch resistance of at least about 2.5 Newtons.

may 1/3/83 9. (Amended) ^{Synthetic} Synthetic resin film for laminates produced ^{by} the method according to claim 1.

11. (Amended) The method of claim [10] 1, further comprising at least partially curing the second uncured thermosetting resin in the impregnated substrate.

12. (Amended) The method of claim [10] 1, wherein said first uncured thermosetting resin and said second uncured thermosetting resin are the same.

16. (Amended) The method of claim [10] 1, wherein said first uncured thermosetting resin and said second uncured thermosetting resin are independently selected from the group consisting of melamine-formaldehyde, urea-formaldehyde, phenol formaldehyde and mixtures thereof.

20. (Amended) Synthetic resin film for laminates comprising a substrate impregnated with an at least partially cured thermosetting resin and [low profile additive] ceramic microspheres.

21. (Amended) Synthetic resin film of claim 20, wherein the substrate is paper.

Sub 22. (Amended) Impregnated paper of claim 20, wherein the thermosetting resin is selected from the group consisting of melamine-formaldehyde, urea-formaldehyde, phenol-formaldehyde and mixtures thereof.

26. (Amended) Synthetic resin film of claim 20, wherein the ceramic microspheres are [low profile additive is] present in amounts sufficient to provide said synthetic resin film with a scratch resistance of at least about 2.5 Newtons.

27. (Amended) A process of producing laminate, said process comprising assembling a plurality of layers of synthetic resin film at least one of said layers being the synthetic resin film [produced according to the method] of claim 9, and subjecting said assembly to heat and pressure sufficient to effect consolidation of said layers to produce a laminate.

28. (Amended) The process of claim 27, wherein the heat necessary to effect consolidation is 230 to 340 degrees F and the pressure necessary to effect consolidation is 800 to 1600 psi.

29. (Amended) The laminate produced by the process of claim 27.

33. (Amended) A laminate comprising a synthetic resin film of claim 9 laminated to a [substrate] base material.

34. (Amended) The laminate of claim 33, wherein said [substrate] base material comprises wood.

35. (Amended) The laminate of claim 33, wherein said [substrate] base material is selected from the group consisting of particle board, medium density fiber board and composite panel.

Please add the following new claims:

- -39. The method of claim 1, wherein the low profile additive is inert, substantially spherical and has a particle size in the range of about 5 to about 60 microns.

40. A method of producing synthetic resin film for laminates, said synthetic resin film comprising a substrate impregnated with a thermosetting resin, said method comprising

(a) impregnating the substrate with a thermosetting resin composition comprising an uncured thermosetting resin and ceramic microspheres; and

(b) drying the impregnated substrate of (a).

41. The method of claim 40, wherein the ceramic microspheres have a particle size in the range of about 5 to about 60 microns.

42. The method of claim 40, further comprising at least partially curing the uncured thermosetting resin in the impregnated substrate.

claim

thermosetting



For laminates p

For laminates p

For laminates p



For laminates p

For laminates p

For laminates p

52. The method of claim 48, wherein the ceramic microspheres are present in amounts sufficient to provide said synthetic resin film with a scratch resistance of at least about 2.5 Newtons.

53. The method of claim 48, further comprising (c) impregnating the substrate of (b) with a second thermosetting resin composition comprising a second uncured thermosetting resin and a low profile additive, and
(d) drying the impregnated substrate of (c).

54. Synthetic resin film for laminates produced by the method according to claim 48.

55. A method of producing synthetic resin film for laminates, said synthetic resin film comprising a substrate impregnated with a thermosetting resin, said method comprising
(a) impregnating the substrate with a thermosetting resin composition comprising an uncured thermosetting resin and alkali alumino silicate ceramic microspheres; and
(b) drying the impregnated substrate of (a).

56. The method of claim 55, further comprising at least partially curing the uncured thermosetting resin in the impregnated substrate.

57. The method of claim 55, wherein said uncured thermosetting resin is selected from the group consisting of melamine-formaldehyde, urea-formaldehyde, phenol-formaldehyde and mixtures thereof.

58. The method of claim 55 wherein the substrate is paper.

59. The method of claim 55, wherein the alkali alumino silicate ceramic microspheres are present in amounts sufficient to provide said synthetic resin film with a scratch resistance of at least about 2.5 Newtons.

60. The method of claim 55, further comprising (c) impregnating the substrate of (b) with a second thermosetting resin composition comprising a second uncured